APPENDIX D: WILDLIFE AND LIVESTOCK CENSUS DATA

Wildlife Type	Reported Population Density Ranges (animals/mi^2)	iAverage Density (animals/mi^2)	Estimate Population Density by Landuse (#/per acre)	Landuse (for use in FC Loading spreadsheet tool)	Habitat Requirements (from DFG and other sources)
Deer[A]	4.4 to 7.8	6.1	0.010	Forest, Pasture/Grassland	Prime habitat: Entire **watershed** excluding urban, cropland
Feral pig[B]	1.3 to 2.1	1.7	0.003	Forest, Pasture/Grassland	Prime habitat: **Entire watershed,** excluding urban, cropland
Coyote[C]	0.75 to 0.91	0.83	0.001	Forest, Pasture/Grassland	Prime habitat: **Entire watershed** excluding urban, cropland
Raccoon[B]	6 to 52	29 Using **5.13** per sq mi (see habitat spreadsheet)	0.008	Cropland, Forest, Pasture/Grassland/Urban	Prime habitat wetland, riparian, forest. Closely associated with permanent water. (Virginia TMDL used habitat and population estimate based on 0.5 mile buffer around streams. Those are perennial streams; prime habitat. Racoon need permanent water source. Home range for males is about 0.8 mi sq. For females its about 0.4 sq. miles. Since most streams are ephemeral in the Salinas watershed, and do not provide prime habitat as perennial streams would; accordingly use Virginia's half-mile buffer estimate (correlates with home range) but use low end population density of 6 per sq. mile.
Opossum[D]	5.8 to 26.2	16 Using **4.96** per sq mi (see habitat spreadsheet)	0.008	Cropland, Forest, Pasture/Grassland/Urban	Prime habitat wetland, riparian, forest. Closely associated with permanent water. (see raccoon)
Skunk[E]	6.2 to 37	21.6 Using **5.30** per sq mi (see habitat spreadsheet)	0.008	Cropland, Forest, Pasture/Grassland/Urban	Prime habitat wetland, riparian, forest. Closely associated with permanent water. (see raccoon)
Turkey[F]	7 to 9.6	8.3	0.013	Forest, Pasture/Grassland	Entire watershed excluding urban and cropland, grassland (trees/shrubs required for roosting habitat)

Wildlife Type	Reported Population Density Ranges (animals/mi^2)	iAverage Density (animals/mi^2)	Estimate Population Density by Landuse (#/per acre)	Landuse (for use in FC Loading spreadsheet tool)	Habitat Requirements (from DFG and other sources)
Pheasant[G]	-	23.5	0.037	Forest, Pasture, Cropland	Entire watershed excluding urban
Duck[H]	-	5.5	0.009	Cropland, Pasture, Urban	Cropland, Pasteur, Wetland, Urban. Upland forest and shrubland not counted, as its not prime habitat. used statewide duck population estimate to interpret gross average watershed population density. Also, should assume the density number (no. per sq mile) is significantly higher in the Salinas Lagoon and Estuary as its on the pacific flyway and has several hundred acres of wildlife and waterfowl protected refuge. Ducks also "much more numerous" in winter, according to DFG.

Animals Requiring Close Proximity to Surface Water Habitat

Racoon/Opossum/Skunk

Total Animals based on Suitable Habitat

	Raccoon	Opossum	Skunk
Habitat based on Stream and Lake Miles (350.21 sq miles in Project Area) 350.21	2101	2031	2171
Animals Per Sq Mi	5.13	4.96	5.30
Animals Per Acre	0.008	0.008	0.008

Livestock Population Densities by Landuse – Monterey County

Animal Type	Population in County	Source	Assumptions to derive Watershed level population estimates	Amount of Habitable Land in County (rangeland, or rangeland plus farm land)- acres, from Mont Co. Ag Landuse Report 2006	Estimate Population Density by Landuse (#/per acre)	Population based on Census Housing Data 2000	Population in Watershed	Landuse (for use in FC Loading spreadsheet tool)
Cattle	97140	County Ag Commissioner	Assume cattle evenly distributed through rangeland in County	1065577	0.0912		6796	Pasture (grassland and shrubland)
Horse*	8299	US Census Bureau (via AVMA)	US Census (via AVMA) data. Number of households that own horses, times number of horses per house, time number of housing units in watershed (2000 census Castrovile, Salinas, Toro, and Gonzales CCDs)	178789	0.0196	3504	3104	All ag land uses: crop, pasteur
Sheep	2200	Mont County Ag Commission	Assume sheep evenly distributed through all ag land in County	1301719	0.0017		268	Cropland, Pasture
Chicken (broilers)	365	USDA 2002 Ag Census	Assume poultry evenly distributed through all ag land in County	1301719	0.0003		48	Cropland, Pasture
Chicken(Layers)	7968	USDA 2002 Ag Census		1301719	0.0061		969	
Hogs	1600		Assume hogs evenly distributed through all ag land in County	1301719	0.0012		195	Cropland, Pasture
Turkey	32	USDA Ag Census		1301719	0.0000			

Canada
Goose Range

Project Area

Pacific
Ocean

Mallard Duck
Range

Project Area

Pacific
Ocean

Mule Deer
Range

Project Area

Pacific
Ocean

Pheasant
Range

Project Area

Pacific
Ocean

Left map:

Wild Pig
Range

Project Area

Pacific
Ocean

Right map:

Wild Turkey
Range

Project Area

Pacific
Ocean